

**PCT REQUEST**

Original (for SUBMISSION )

VIII-4-1	<p><b>Declaration: Inventorship (only for the purposes of the designation of the United States of America)</b>            Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p> <p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1- 1	Prior applications:  20031733, FI, 27 November 2003 (27.11.2003)

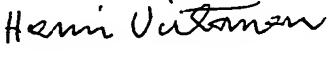
## PCT REQUEST

Paper Copy (NOT for submission)

	<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>	
VIII-4-1- 1-1	Name (LAST, First)	
VIII-4-1- 1-2	Residence: (city and either US State, if applicable, or country)	
VIII-4-1- 1-3	Mailing address:	
VIII-4-1- 1-4	Citizenship:	
VIII-4-1- 1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	
	<b>RANTALA, Ari</b> <b>Porvoo, Finland</b> <b>Neoviuksenkatu 13 FI-06100 Porvoo</b> <b>Finland</b> <b>FI</b>  <b>28 October 2004 (28.10.2004)</b>	

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VIII-4-1- 2-1	Name (LAST, First)	VIRTANEN, Henri
VIII-4-1- 2-2	Residence: (city and either US State, if applicable, or country)	Pori, Finland
VIII-4-1- 2-3	Mailing address:	Liikastentie 99 FI-28610 Pori Finland
VIII-4-1- 2-4	Citizenship:	FI
VIII-4-1- 2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1- 2-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	28 October 2004 (28.10.2004)

OUTO

ASSIGNMENT - PATENT APPLICATION

WHEREAS, we,

COPY

RANTALA, Ari of Porvoo, Finland  
VIRTANEN, Henri, of Pori, Finland

have invented certain new and useful improvements in

## METHOD FOR DEFINING STATUS INDEX IN COPPER ELECTROLYSIS

for which an application for United States Letters Patent was signed on even date herewith; and

WHEREAS, OUTOKUMPU TECHNOLOGY OY of Riihitontuntie 7, FI-02200 Espoo, Finland (hereinafter "Assignee") desires to acquire an interest therein and in the Letters Patent to be obtained therefor;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are acknowledged, we hereby assign and transfer to Assignee, for the territory of the United States of America and all other countries, our entire right, title, and interest in and to said improvements and in and to said application and any Letters Patent that may be granted therefor in the United States and any other country including any division, continuation, substitute, renewal or reissue of said application or said Letters Patent.

We hereby agree to communicate to Assignee any facts known to us relating to said improvements, to testify as to the same in any interference or legal proceeding concerned therewith, to execute promptly and deliver to Assignee upon request any and all papers, instruments, declarations and affidavits required to apply for, obtain, maintain and enforce said Letters Patent, and generally to do everything necessary or desirable to vest and perfect title thereto in Assignee.

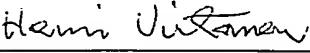
This assignment is binding upon us and our heirs, successors and personal representative, and shall inure to the benefit of Assignee, its successors, assigns and nominees.

We agree that no attorney/client or other fiduciary relationship exists between us and Smith-Hill and Bedell, P.C.

IN TESTIMONY WHEREOF, we have hereunto set hand this  
26<sup>th</sup> day of April, 2006.

INVENTORS:

  
Ari Rantala

  
Henri Virtanen  
Henri Virtanen

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Ari RANTALA et al

Application No.:

Filed:

For: METHOD FOR DEFINING STATUS INDEX IN  
COPPER ELECTROLYSIS

CERTIFICATE UNDER 37 CFR 3.73(b)  
POWER OF ATTORNEY BY ASSIGNEE

OUTOKUMPU TECHNOLOGY OY certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of an **assignment to OUTOKUMPU TECHNOLOGY OY from Ari Rantala and Henri Virtanen dated 26 April 2006 (copy enclosed)**.

The undersigned declares that he is an officer of OUTOKUMPU TECHNOLOGY OY and is authorized to sign this certificate on behalf of OUTOKUMPU TECHNOLOGY OY; and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Sec. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

OUTOKUMPU TECHNOLOGY OY as Assignee of the entire right, title, and interest in and to this U.S. patent application, hereby revokes any previous Powers of Attorney and appoints the practitioners associated with **Customer Number 007812 (John Smith-Hill, Reg. No. 27,730, Daniel J. Bedell, Reg. No. 30,156 and Jay**

Smith-Hill, Reg. No. 56,251), to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent.

Send correspondence to the correspondence address associated with **Customer Number 007812**.

OUTOKUMPU TECHNOLOGY OY

By: Marja Lahonen

Name: Marja Lahonen  
Title: Manager - IPR Management  
Date: 27 April 2006